Title: AGONIST ANTIBODIES Inventor(s): Naoshi Fukushima, et al. Appl. No.: 10/645,085

Fig. 1

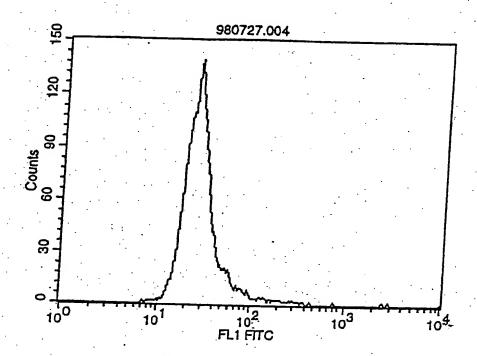
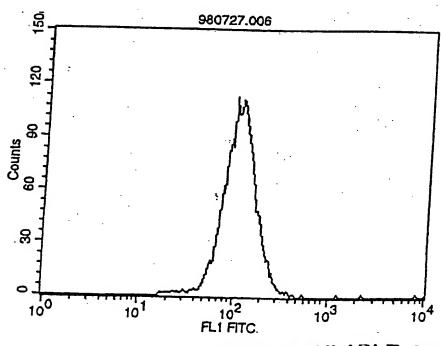


Fig. 2



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Fig. 3

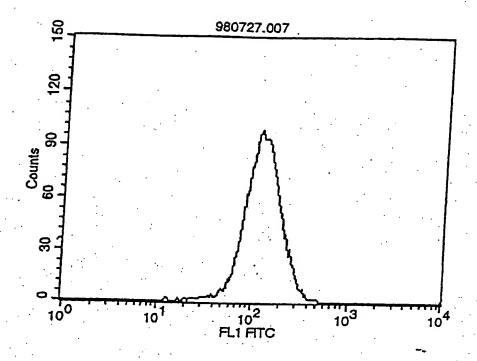
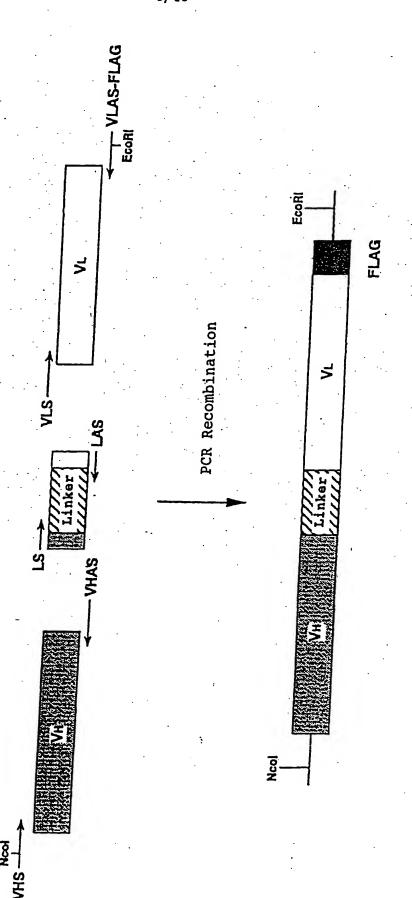
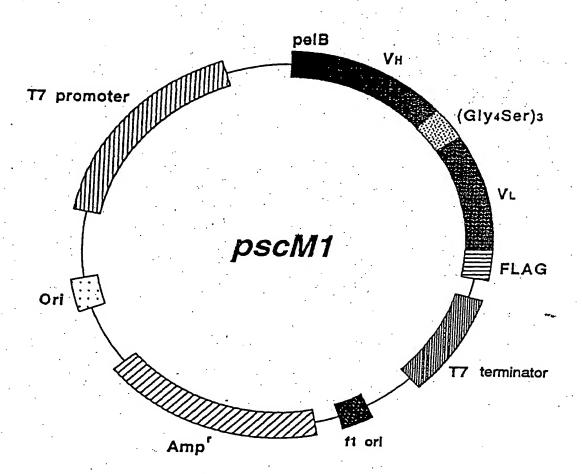


Fig. 4



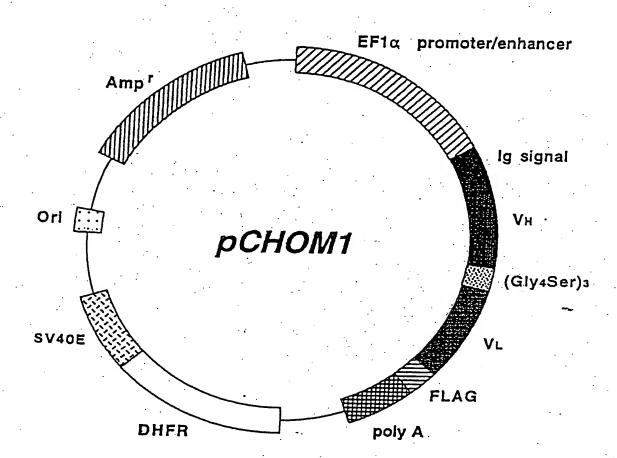
Inventor(s): Naoshi Fukushima, et al. Appl. No.: 10/645,085

Fig.



Appl. No.: 10/645,085

Fig. 6



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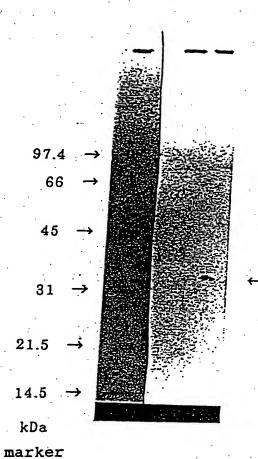


Fig. 8

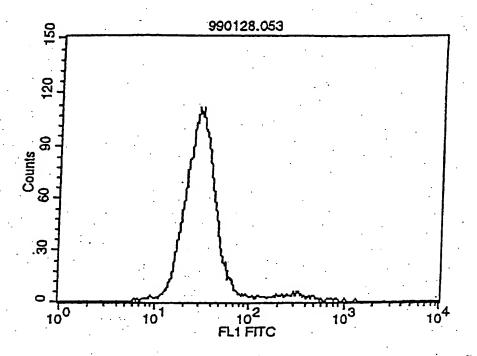


Fig. 9

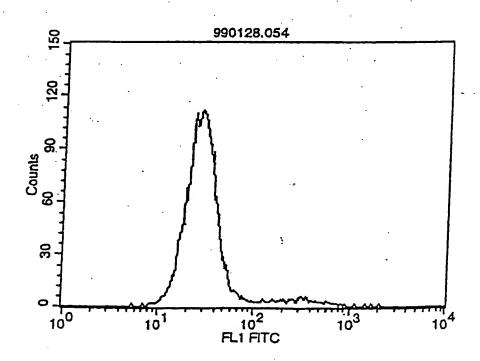


Fig. 10

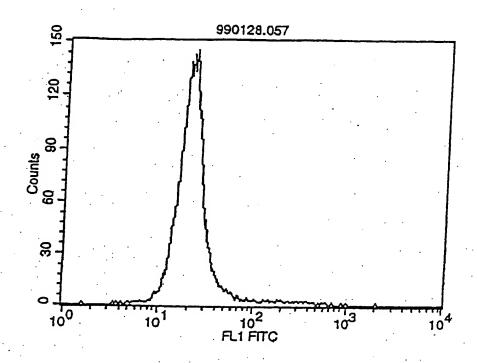


Fig. 11

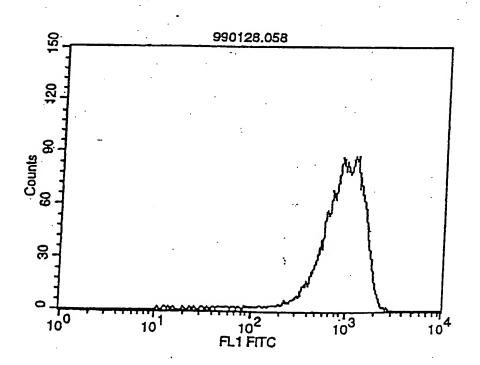


Fig. 12

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Competitive ELISA

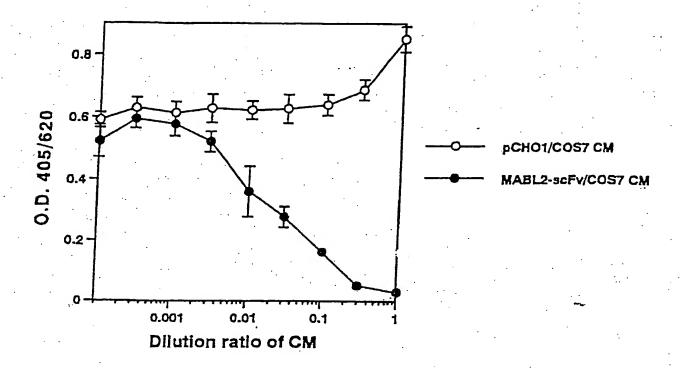
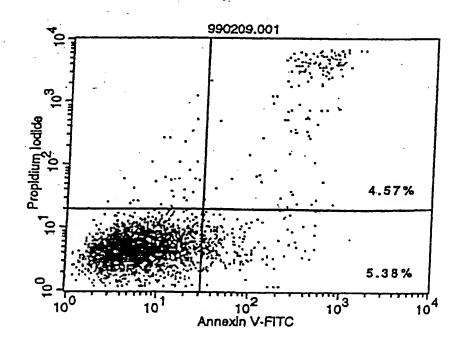


Fig. 13



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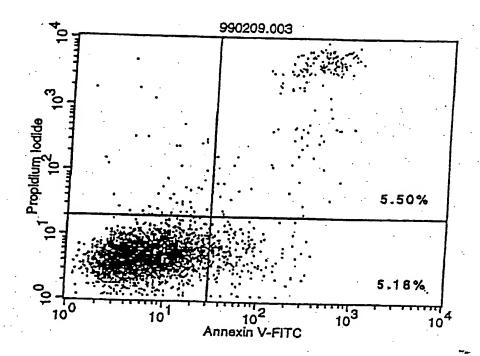
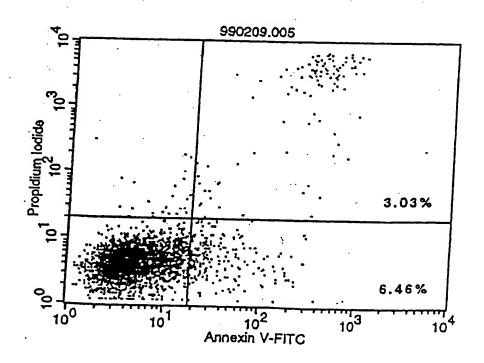


Fig. 15



Inventor(s): Naoshi Fukushima, et al. Appl. No.: 10/645,085

Fig. 16

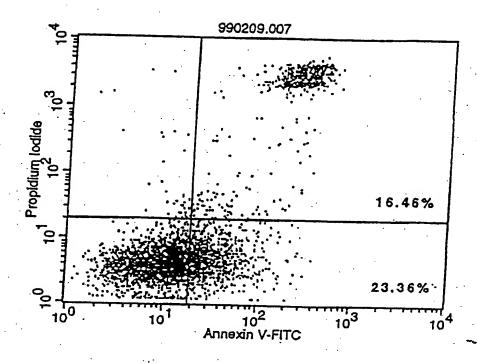


Fig. 17

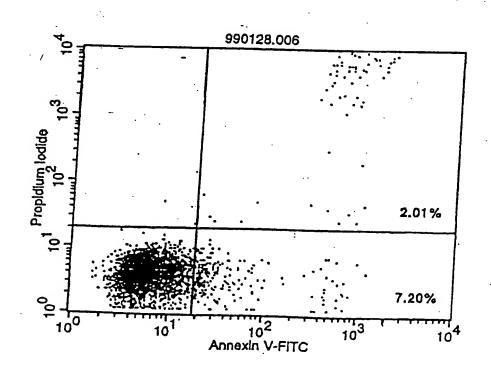
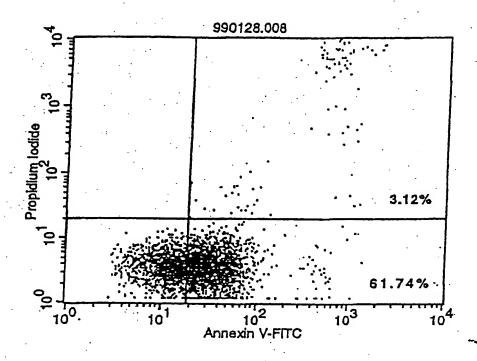
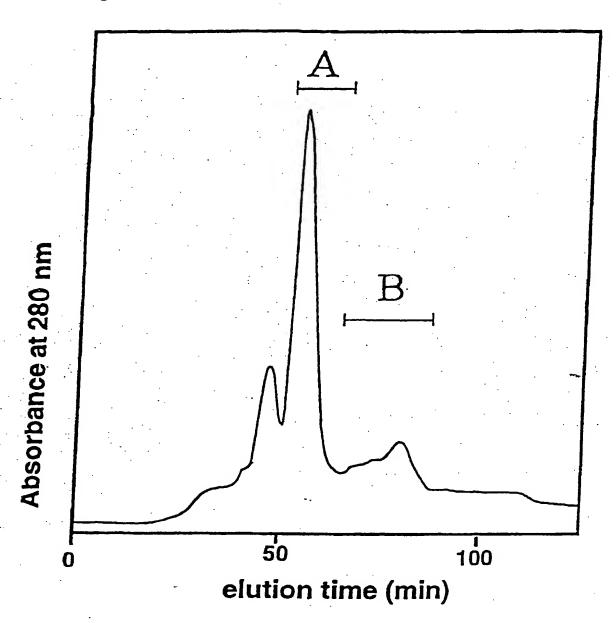


Fig. 18



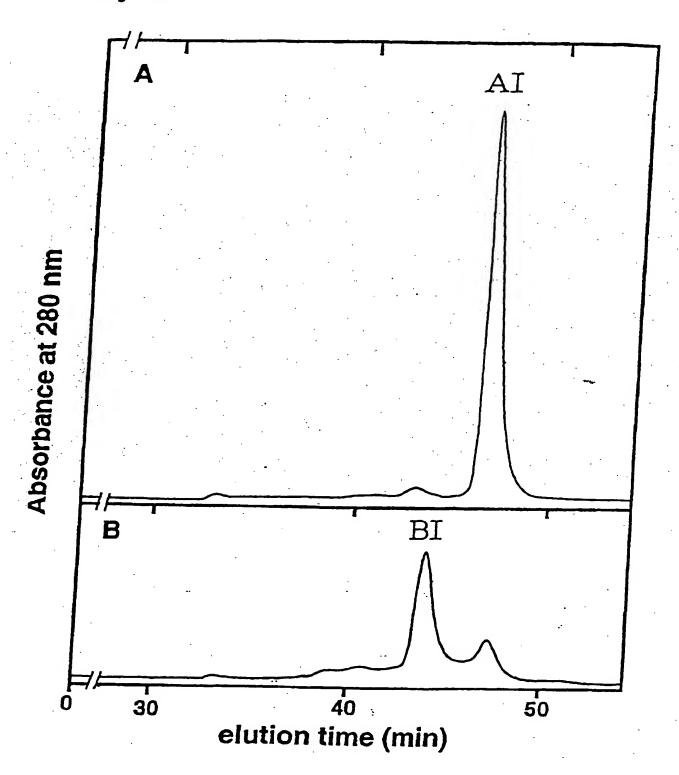
Inventor(s): Naoshi Fukushima, et al. Appl. No.: 10/645,085

Fig. 19



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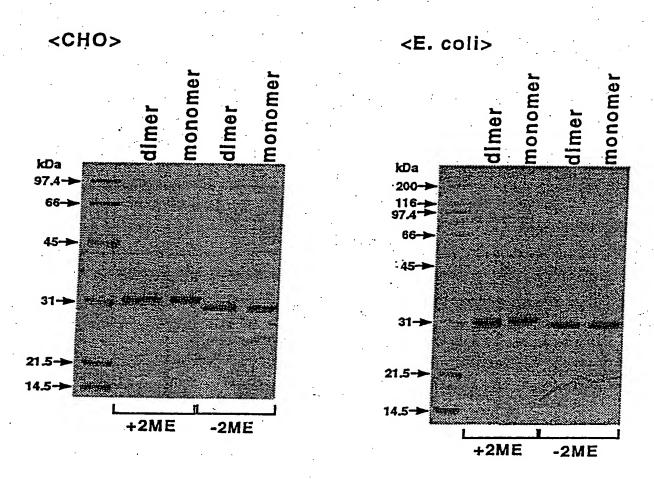
Fig. 20



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Fig. 21

SDS-PAGE analysis of MABL2-scFv



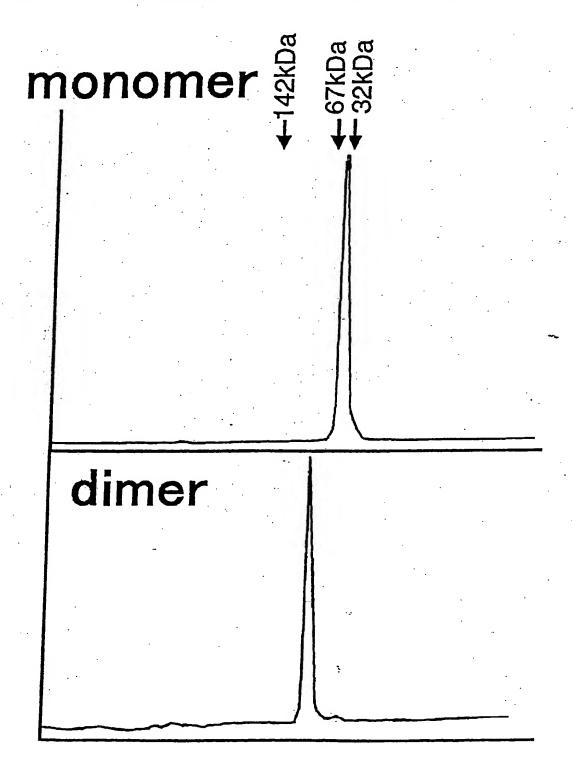
Title: AGONIST ANTIBODIES Inventor(s): Naoshi Fukushima, et al.

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Fig. 22

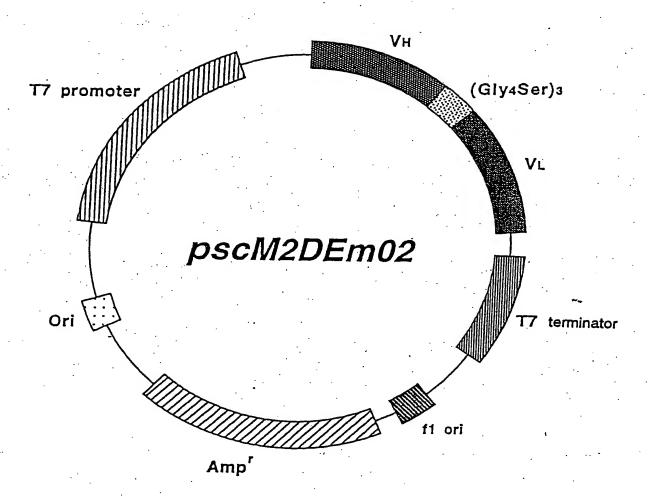
16/43

TSK gel G3000SW 20 mM Acetate buffer, 0.15 M NaCl, pH 6.0



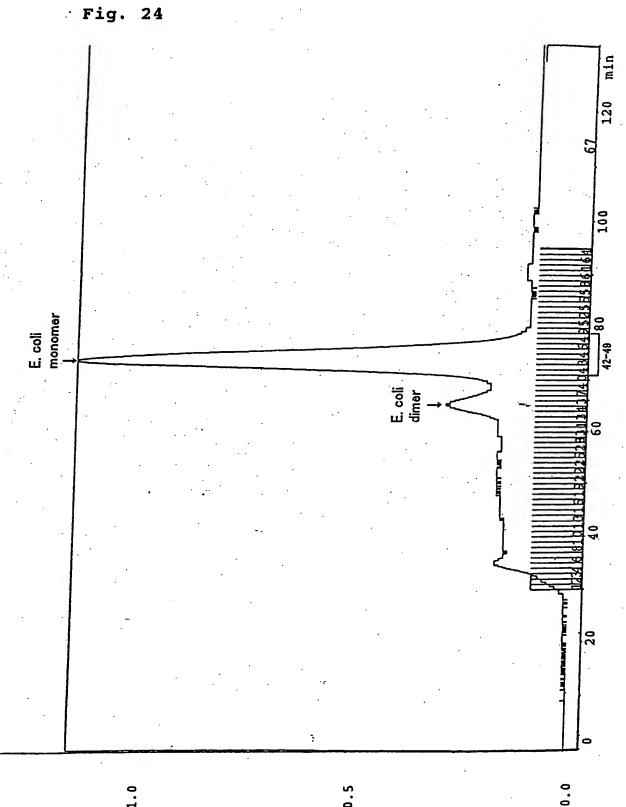
Appl. No.: 10/645,085

Fig. 23



AU

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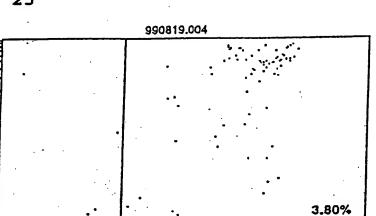


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2.76%

103

Fig. 25



10² Annexin V-FITC

Fig. 26

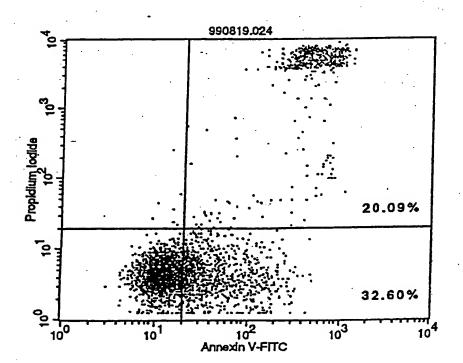


Fig. 27



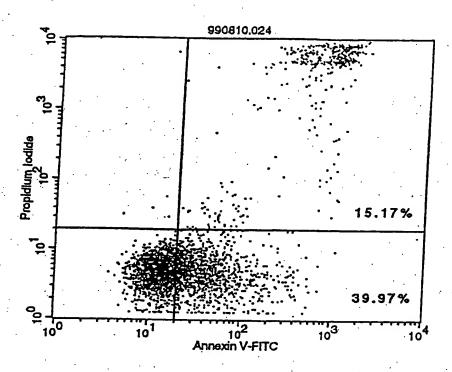


Fig. 28

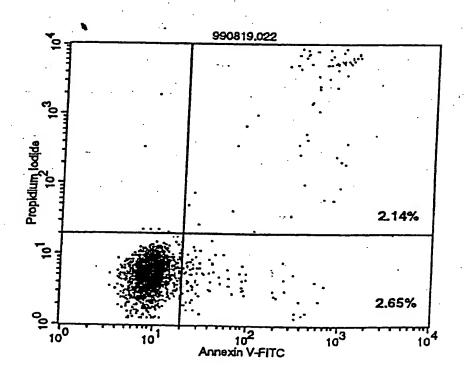


Fig. 29

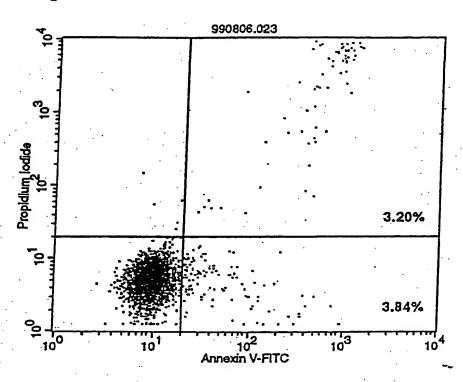


Fig. 30

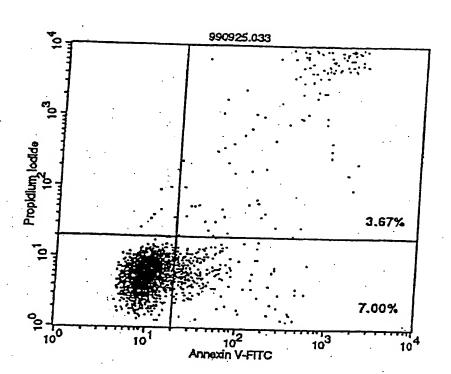
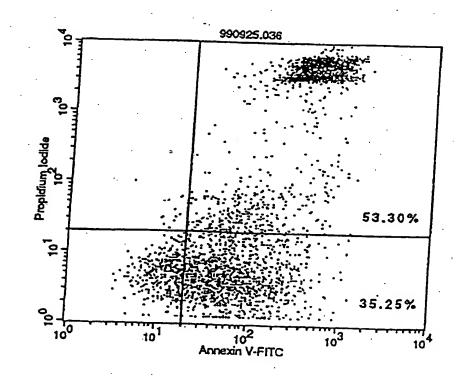


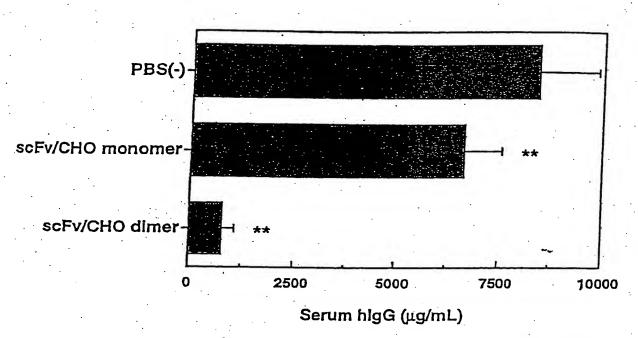
Fig. 31



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Fig. 32

Effect of MABL-2 (scFv) on serum hlgG in KPMM2 i.v. SCID mice

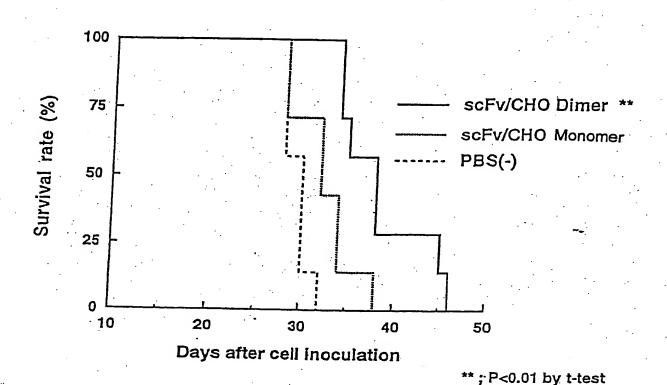


**: p<0.01

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Fig. 33

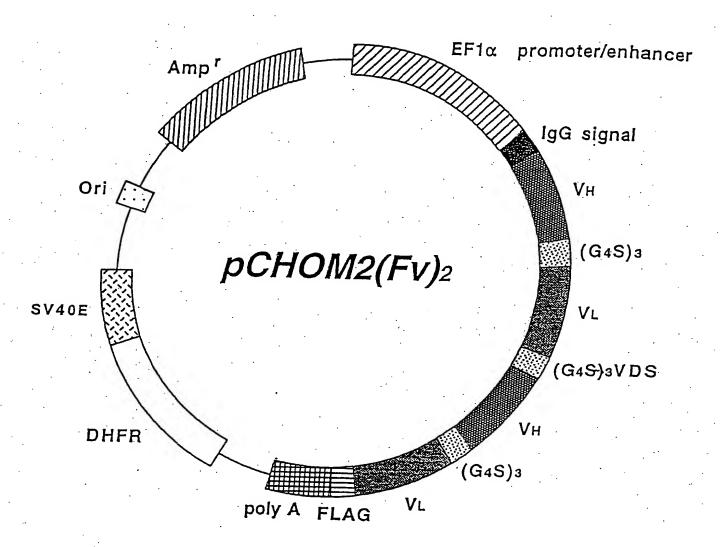
Effect of MABL-2 (scFv) on survival of KPMM2 i.v. SCID mice



Title: AGONIST ANTIBODIES Inventor(s): Naoshi Fukushima, et al.

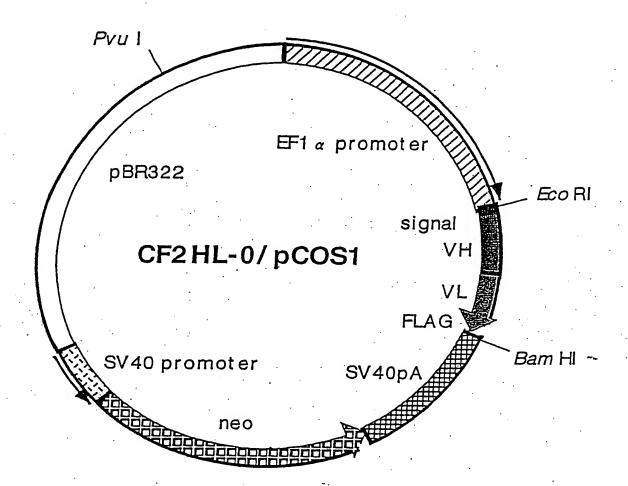
Appl. No.: 10/645,085

Fig. 34



Appl. No.: 10/645,085

Fig. 35



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Fig. 36

Base Sequence and Amino Acid Sequence of Linker for HL Type

Heavy chain	 	Light chain	
··· gtc tcg agt	linker	gac gtc gtg ···	FLAG
V S S		D V V	

	Number of	- T -	
Plasmid	linker amino acid	linker.	
CF2HL-0/pCOS1	0	gtc tcg agt	gac gtc gtg
•		v s s	D V V
CF2HL-3/pCOS1	3	gtc tcg agt ggt ggt tcc	gac gtc gtg
*	,	V S S G G S	D V V
CF2HL-4/pCOS1	4	gtc tcg agt ggt ggt ggt tcc	gac gtc gtg
		VSSGGGS	v v d
CF2HL-5/pCOS1	5	gte teg agt ggt ggt ggt tee	gac gtc gtg
		V S S G G G G S	D V V
CF2HL-6/pCOS1	6	gtc tcg agt gt ggt ggt ggt tcc	gac gtc gtg
	•••	V S S G G G G S	D V V
CF2HL-7/pCOS1	7	gtc tcg agt ggt ggt ggt ggt ggt tc	ce gac gtc gtg
	•	V S S G G G G G	SDVV

Appl. No.: 10/645,085

Fig. 37

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EF1 α promoter

pBR322

CF2 LH-0/ pCOS1

VL

VH

FLAG

SV40 promoter

SV40pA

Bam HI

neo

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Fig. 38

Base Sequence and Amino Acid Sequence of Linker for LH Type

Light chain		Heavy chain	
··· gag ata aaa	linker	cag gtc caa ···	FLAG
EIK		Q V Q	

	Number of		•
Plasmid	linker amino acid	linker	•
CF2LH-0/pCOS1	0	gag ata aaa	cag gtc caa
•	· · · · ·	E I'K	Q V Q
CF2LH-3/pCOS1	3	gag ata aaa too gga ggo	cag gtc caa
		EIKSGG	Q V Q
CF2LH-4/pCOS1	4	gag ata aaa too gga ggt ggo	cag gtc caa
		EIKSGGG	Q V Q
CF2LH-5/pCOS1	5	gag ata aaa tcc gga ggt ggt ggc	cag gtc caa
•	•	EIKSGGGG	Q V Q
CF2LH-6/pCOS1	6	gag ata aaa tcc gga ggt ggt ggt ggc	cag gtc caa
	. ,	EIKSGGGGG	QVQ
CF2LH-7/pCOS1	7 .	gag ata aaa too gga ggt ggt ggt ggt gg	c cag gtc caa
		EIKSGGGGGG	Q V Q

Fig. 39

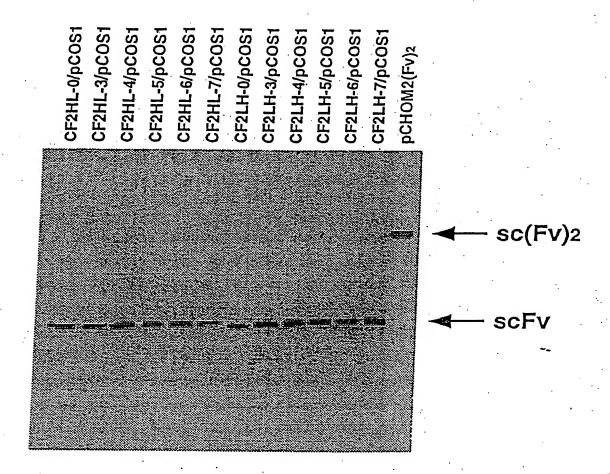


Fig. 40a

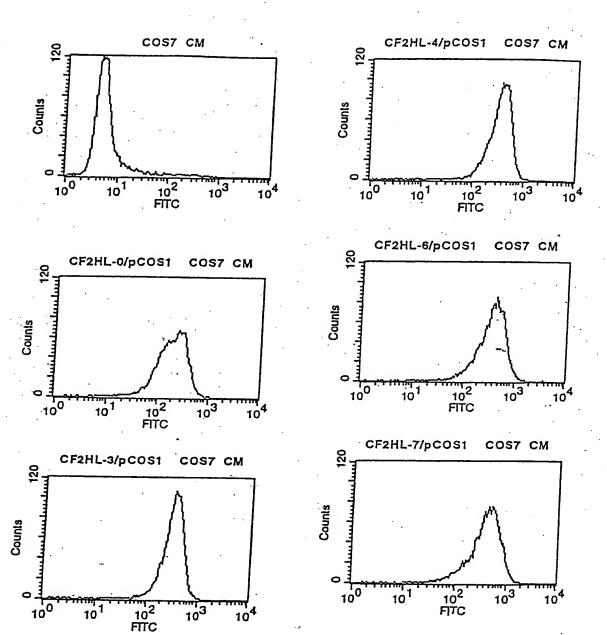
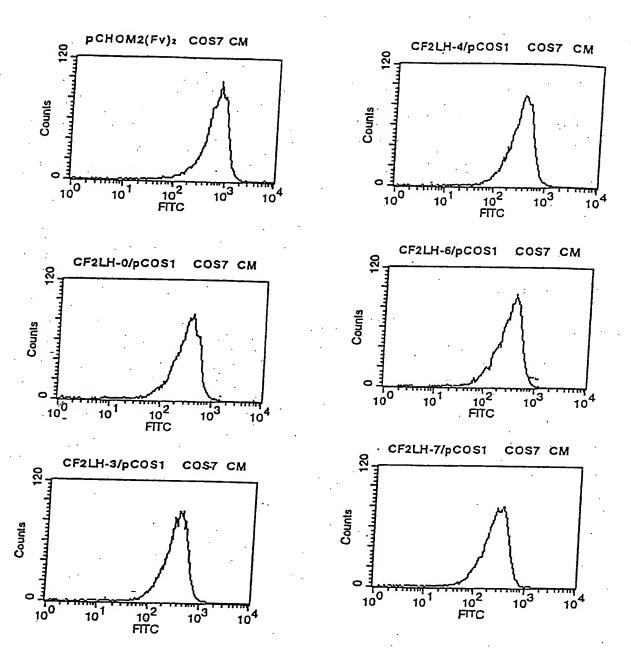
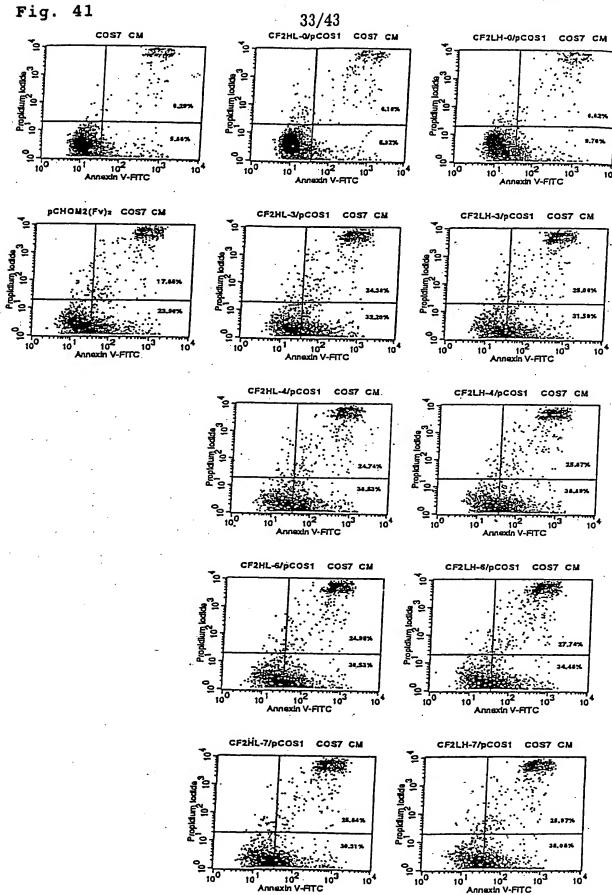


Fig. 40b



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Fig. 42

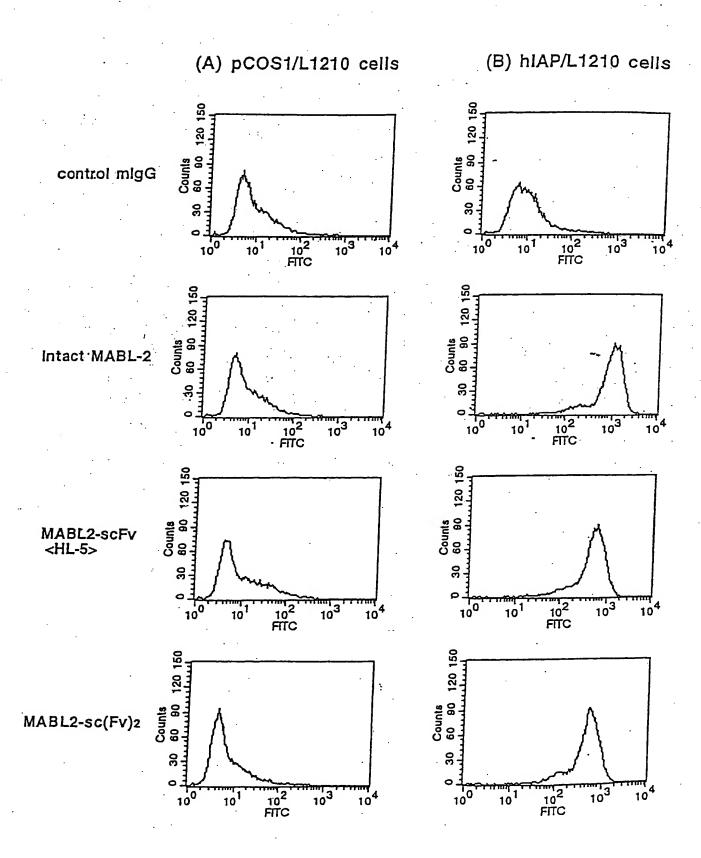


Fig. 43

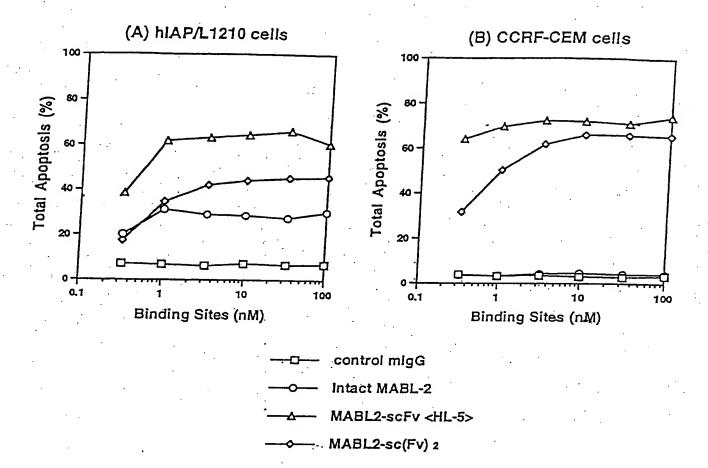
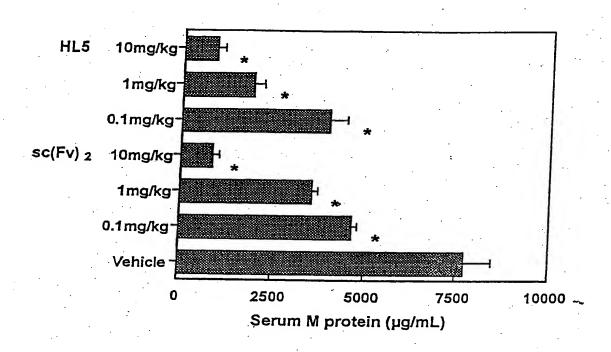
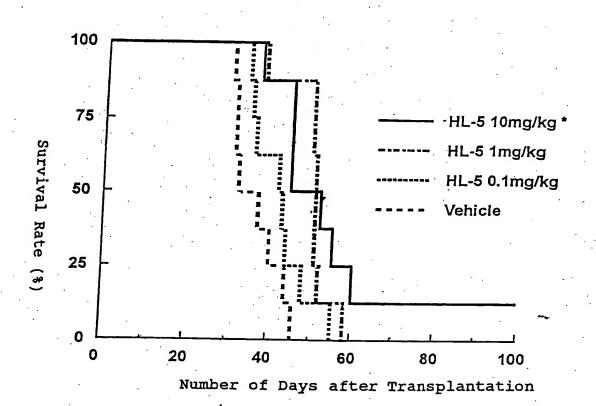


Fig.



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Fig. 45



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Fig. 46

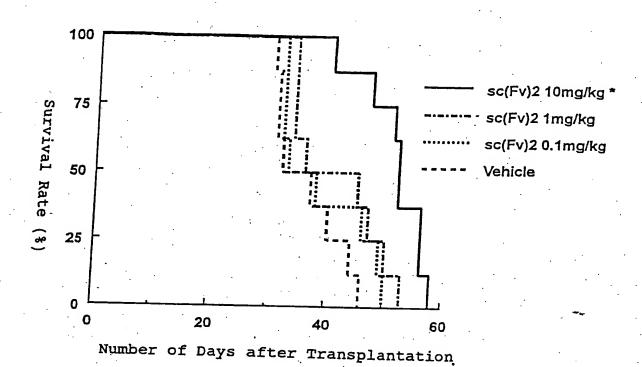


Fig. 47

EcoRI

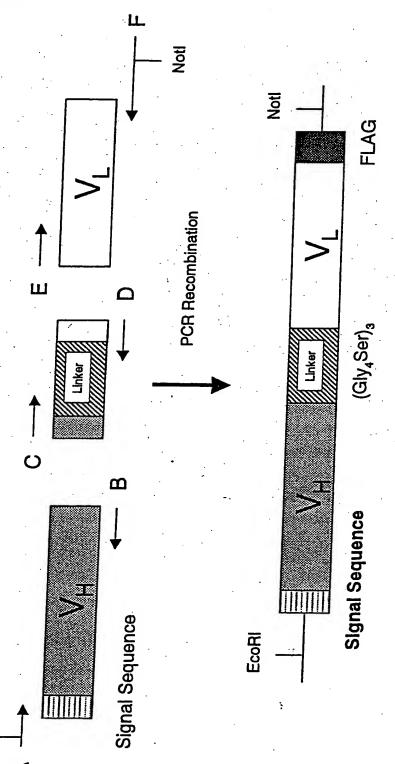


Fig. 48

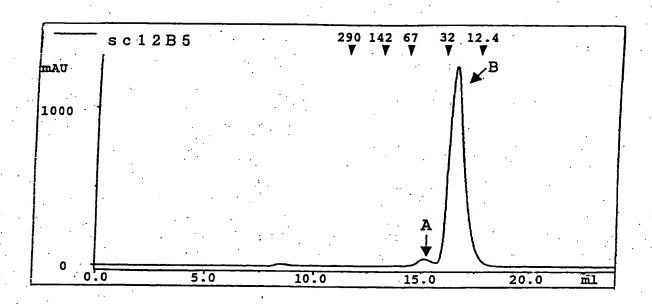
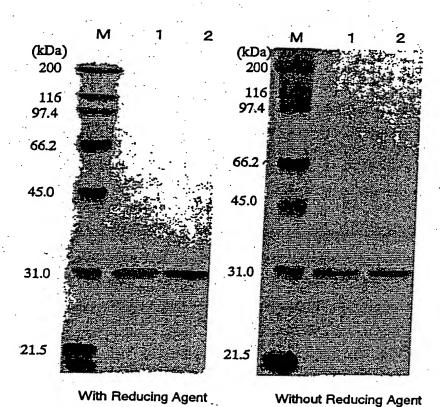


Fig. 49

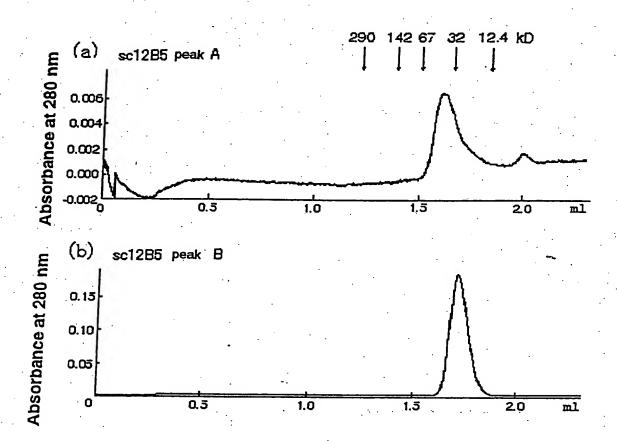


M:MW marker

1:sc12B5 fractionA

2:sc12B5 fractionB

Fig. 50



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Fig. 51

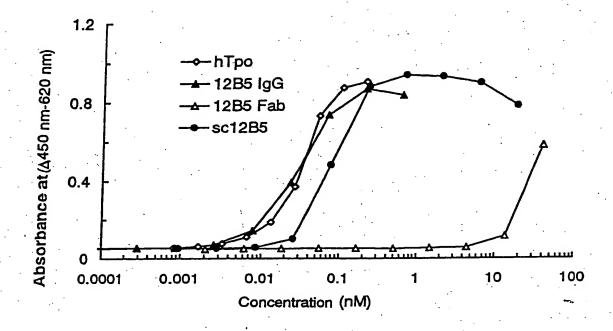
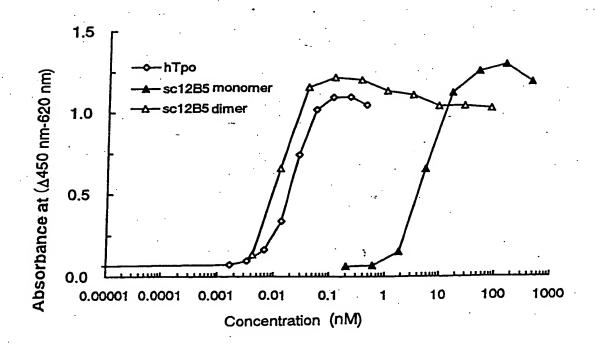


Fig. 52



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